

TSVETKOVA, I.V.

Degradation of neuraminic acid by enzyme preparations from
animal tissues. Vop. med. khim. 8 no.4:384-388 Jl-Ag '62.
(MIRA 17:11)

1. Laboratoriya klinicheskoy khimii i biokhimii uglevodnogo
obmena Instituta biologicheskoy i meditsinskoy khimii AMN
SSSR, Moskva.

TSVETKOVA, I.V.; KOZINA, A.B.

Neuraminic acid aldolase activity in rat kidneys in
experimental nephrosis. Vop. med. khim. 9 no.1:96-98
(MIRA 17:6)
Ja-F '63.

1. Laboratoriya klinicheskoy khimii i biokhimii uglevodnogo
obmena Instituta biologicheskoy i meditsinskoy khimii AMN
SSSR, Moskva.

TSVETKOVA, I.V.

Neuraminic acid metabolism in animals. Vop. med. khim. 9
no.2:115-124 Mr-Apr '63. (MIRA 17:8)

I. Laboratoriya klinicheskoy khimii i biokhimii vodnogo
obmena Instituta biologicheskoy i meditsinskoy khimii AMN
SSSR, Moskva.

TSVETKOVA, I.V.

Determination of neuram'nic acid in biological fluids and tissues.
Lab. delo 10 no.4:210-213 '64. (MIRA 17:5)

1.Laboratoria klinicheskoy khimii i biokhimii uglevednogo obmena
(zaveduyushchiy - prof.Ye.L.Rosenfel'd) Instituta biologicheskoy
i meditsinskoy khimii AMN SSSR, Moskva).

TSVETKOVA, I.V.; ROZENFEL'D, Ye.L.

Neuraminidase in animal tissues. Vop. med. khim. 10 no.6:
(MIRA 19:1)
633-635 N-D '64.

1. Laboratoriya klinicheskoy khimii i biokhimii uglevodnogo
obmena Instituta biologicheskoy i meditsinskoy khimii AMN
SSSR, Moskva.

KIRCHEVA,S.; MICHAYLOV,St.; ALIPIYEV,D.; BANKOV, St.; TSVETKOVA,L.;
BENVENISTI,R. (Bulgariya)

Nivaline electrophoresis; electrochemical, experimental, and
functional examinations. Vop.kur., fizioter. i lech. fiz.
kul't. 27 no.4:299-304 Jl-Ag'62 (MIRA 16:11)

1. Iz Nauchno-issledovatel'skogo instituta kurortologii i fizio-
terapii Narodnoy Respubliki Bulgarii (direktor - dotsent K.Kirchev.)

*

STAMENOVA, M.; MONEV, G.; TSVETKOVA, L.

Characteristics of Bulgarian thermal waters as to their germanium content, and seeking the possibilities of its extraction. Godishnik Inst khim prom. 2:49-56 '63.

TSVETKOVA, L.

Sanitary and bacteriological inspection of production is necessary.
Mias.ind.SSSR 32 no.6:30-31 '61. (MIRA 15:2)

1. Kishinevskiy myasokombinat.
(Meat inspection)

KUZNETSOV, Yu.A.; MAKAROV, A.A.; MELENT'YEV, L.A.; MERENKOV, A.P.; NEKRASOV, A.S.; TSVETKOV, N.I.; KUZNETSOV, Yu.A.; MAKAROVA, A.S.; KARPOV, V.G.; MANSUROV, Yu.V.; SYROV, Yu.P.; KHRILEV, L.S.; TSVETKOVA, L.A.; VOYTSEKHOVSKAYA, G.V.; YEFIMOV, N.T.; LEVENTAL', G.B.; KHANAYEV, V.A.; BELYAYEV, L.S.; GAM', A.Z.; KARTELEV, B.G.; KRUMM, L.A.; LIOPO, T.N.; SVIRKUNOV, N.N.; DRUZHININ, I.P.; KONOVALENKO, Z.P.; KHAM'YANOVA, N.V.; SHVARTSBERG, A.I.; NIKONOV, A.P.; STARIKOV, L.A.; POPYRIN, L.S.; PSHENICHNOV, N.N.; TROSHINA, G.M.; CHEL'TSOV, M.B.; SVETLOV, K.S.; SUMAROKOV, S.V.; TAKAYSHVILI, M.K.; TOLMACHEVA, N.I.; KHASILEV, V.Ya.; KOSHELEV, A.A.; KUDINOVA, L.I., red.

[Methods for using electronic computers in the optimization of power engineering calculations] Metody primeneniia elektronno-vychislitel'nykh mashin pri optimizatsii energeticheskikh raschetov. Moskva, Nauka, 1964. 318 p.
(MIRA 17:11)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Energeticheskiy institut. 2. Chlen-korrespondent AN SSSR (for Melent'yev).

KORSHUN, L.L.; NOTKIN, M.M.; STRADA, V.Yu.; TSVETKOVA, L.F.;
; KIMRYAKOV, N.A.; USANOVA A.P., red.

[The "NK" nitrourea coati; ; N¹trokarobamidnaia gruntovka
"NK" Moskva. TSentr. nauchno-issl. in-t informatsii i tekhniko-
ekon. issledovani po lesnoi, tselliulozno-bumazhnoi, derevo-
obrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 15 p.
(MIRA 17:12)

1. Vsesoyuznyy proyektno-konstruktorskiy i tekhnologicheskiy
institut mebeli (for Korshun, Notkin, Strada, Tsvetkova).
1. Mebel'naya fabrika No.7 Svetla narodnogo khozyaystva Mo-
skovskogo gorodskogo ekonomicheskogo rayona (for Kimryakov).

KOKOLIYA, T.G.; TSVETKOVA, L.I.

Pollution of the Neva Bay as related to the use of sewage.
Trudy Gidrobiol. ob-va 14:151-158 '63. (MIRA 17:6)

1. Laboratoriya Glavnay nasosnoy stantsii kanalizatsii tsentral'noy chasti Leningrada.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1

BAJASHOVA, N.N.; SNEGOVNA, N.A.; ABRAMOVICH, V.I.; ISVETKOVA, I.L.

Conditions for the production of porous and pore-free zinc
coatings from acid baths. Zhur. prikl. khim. 38 no.4:823-
(MIRA 18-6)
833 Ap '65.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1"

L 36426-66 EWT(1) IJP(c)

ACC NR: APG015762

(A,N)

SOURCE CODE: UR/0048/66/030/005/0769/0773

AUTHOR: Spivak, G. V.; Sedov, N.N.; Dyukov, V.G.; Tsvetkova, L. I.

ORG: Physics Department, Moscow State University im. M.V.Lomonosov (Fizicheskly fakul'tet Moskovskogo gosudarstvennogo universiteta)

TITLE: A two-electrode immersion objective with a magnetic field at the cathode
Report, Fifth All-Union Conference on Electron Microscopy held in Sumy 6-8 July 1965

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 5, 1966, 769-773

TOPIC TAGS: electron microscope, electron field, magnetic field, electromagnetic lens

ABSTRACT: The authors discuss an immersion objective employing both electric and magnetic fields. A section of the lens showing lines of force and equipotentials is presented in the figure. In this lens the magnetic pole pieces serve also as electrodes, and the object is fastened to the cathode (the "N" pole piece in the figure). If the pole pieces are not saturated, the electric and magnetic lines of force coincide. This condition is not necessary for focusing, but it greatly simplifies the calculations. Conditions for focusing are derived. There is a sequence of focusing conditions, in each of which the electron completes a different integral number of Larmor revolutions while traveling from the cathode to the image plane. The aberrations of the lens are not discussed and no formula is given for the magnification. A microscope

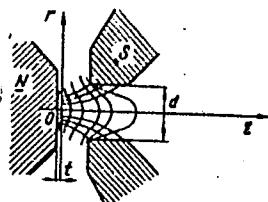
52

III

Card 1/2

L 36426-66

ACC NR: AP6015762



Cross section of the immersion objective

employing the immersion objective under discussion was constructed. Electron emission from the object was stimulated by ion bombardment, and the object was imaged directly on a photographic plate by the immersion objective without the assistance of other optical elements. The theoretical focusing conditions were verified. Electron micrograms are presented of a vidicon screen and of an etched copper surface (the latter at a magnification of 1000). The microscope was characterized by a small depth of focus. The image contrast could be greatly altered by varying the anode potential through some tens of volts about its value of approximately 35 kv. Orig. art. has: 7 formulas and 5 figures.

SUB CODE: 20/

SUHM DATE: 00/

ORIG REF: 003/

OTH REF: 005

Card 2/2 90

AFANAS'YEV, K.S.; BOCHANTSEV, V.P.; VASIL'CHENKO, I.T.; GORSHKOVA, S.G.;
IL'IN, M.M.; KIRPICHNIKOV, M.E.; KNORRING, O.E.; KUPRIYANOVA, L.A.;
POBEDIMOVA, Ye.G.; POLYAKOV, P.P.; PUYARKOVA, A.I.; SMOL'YANINOVA, L.A.;
FEDOROV, An.A.; TSVETKOVA, L.I.; TSVELEV, N.N.; SHISHKIN, B.K.;
KOMAROV, V.L., akademik, glavnnyy red.; BOBROV, red.toma; SHISHKIN, B.K.;
red.izd.; SMIRNOVA, A.V., tekhn.red.

[Flora of the U.S.S.R.] Flora SSSR. Moskva, Izd-vo Akad.nauk
SSSR. 1961. 938 p. (Flora SSSR, vol. 26). (MIRA 15:2)

1. Chlen-korrespondent AN SSSR (for Shishkin).
(Compositae)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1

BOBRakov, B.P.; MORDKOVICH, M.S.; SIIICH, A.A.; TSVETKOVA, I.M.

Use of pectolytic fermentation preparations in the production of

apple juice. Trudy MNII?P 3:67-73 '63.

(MIRA 18:1)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1

GASYUK, G.N., kand.tekhn.nauk; TSVETKOVA, L.M.

Effect of ultrasonic waves on the microflora of raw materials
and glass containers during washing. Trudy MNIIIPP 3:86-91 '63.
(MIRA 13:2)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1"

GASYUK, G.N.; TSVETKOVA, L.M.; Prinimali uchastiye: SHVETS, A.T.; LAGUNOVA, G.A.

Effect of ultrasonic waves on the microflora in the process of grape
juice production. Trudy MNIIPP 2:75-80 '62. (MIRA 16:4)

(Ultrasonic waves—Industrial applications)
(Wine and wine making—Microbiology)

ZASLAVSKIY, A. S.; GIDALEVICH, M. G.; Prinimali uchastiye:
GRISHINA, Ye. M.; TSVETKOVA, L. M.

Use of sorbic acid in the preparation of semiprocessed grape
juice. Trudy MNIIIPP 1:115-118 '61. (MIRA 16:1)

(Grape juice—Preservation)
(Sorbic acid)

GASYUK, G.N.; TSVETKOVA, L.M.

Effect of ultrasonic waves on the microflora in the manufacture of
grape juice. Kons.i ov.prom. 17 no.12:12-15 D '62. (MIRA 15:12)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy promyshlen-
nosti.
(Ultrasonic waves—Physiological effect) (Grape juice—Microbiology)

BOBRakov, B.P.; MORDKOVICH, M.S.; SILICH, A.A.; TSVETKOVA, L.M.

Use of ferment preparations in the production of apple juice.
Kons.i ov.prom. 18 no.2:6-8 F '63. (MIRA 16:2)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.
(Apple juice)

DATSKETCH, L.A.; LIBEROVA, R.A., LOSEV, I.P.; PLOTNIKOV, I.V.;
SVOYKINA, A.S.; TSVEJKOVA, N.A.

Studying the effect of the primary polyatomic alcohols on the
properties of polyester urethane lacquers. Lakokras.mat.i ikh
prim. no.2:22-26 '62. (MIRA 15:5)

1. Moskovskiy ordena Lenina khimiko-tehnologicheskiy institut imeni
D.I.Mendeleyeva i Vsesoyuznyy nauchno-issledovatel'skiy institut
plenochnykh materialov i iskusstvennoy kozhi.
(Lacquers and lacquering—Testing)

TSVETKOVA, N.A., kand.tekhn.nauk

Laboratory investigation of seepage under hydraulic structures.
Trudy SANIIRI 93:137-141 '58.
(Seepage) (Hydraulic engineering)

(MIRA 14:5)

GERSHTEYN, L.M.; TSVETKOVA, I.V.

Method for the detection of α -acylamidocarboxyl protein groups.
TSitologija 2 no.2:201-207 Mr-Ap '60. (MIRA 14:5)

1. Laboratoriya gistolohimii Instituta mozga AMN SSSR.
(PROTEINS)

TSVETKOVA, K. P.

"The Formation of Wax and Building Up of Honeycombs by Bees of Different Species." Sub 4 Jan 51, Moscow Order of Lenin State U imeni M. V. Lomonosov.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

TSVETKOVA, K. P.

Defended his Candidates dissertation in the Biology - Soil Faculty of Moscow State University on 7 April 1952.

Dissertation: "Isolation of Wax and the Building Up of Honeycombs by Bees of Various Species."

SO: Vestnik Moskovskogo Universiteta, Seriya Fiziko-Khimicheskikh i Yestestvennykh Nauk, No. 1, Moscow, Feb 1953, pp 151-157: transl. in W-29782, 12 April 54, For off. use only.

MIKHAYLOV, N.; TSVETKOVA, L.

Nature of instincts. Nauka i zhizn' 23 no.8:39-42 Ag '56.(MIRA 9:9)
(INSTINCT)

SINYAKOVA, S.P.; TSVETKOVA, L.A.

Determining cadmium, silver and gold impurities in metallic bismuth
with the help of dithizone. Trudy Kom. anal. khim. 12:191-205 '60.
(MLBA 13:8)

(Bismuth--Analysis)

(Dithizone)

TSVETKOVA, L.H.

PAGE I BOOK INFORMATION

SER/243

Abdol's'ya nauk SSSR. Knizhnyj po nauchno-tekhnicheskoy literatury
Metody opredeleniya prirody i chistosti metallov (Methods of Determining Metal-
lure in Pure Metals) Moscow, 1960. 411 p. (Series: Itch. Trudy, 12) 3,000
kopij printed.

Naup. Ed.: A.P. Voskresenskij, Academician, and D.I. Ruzickhikov, Doctor of Chemical
Sciences; Ed. of Publishing House: M.P. Volynets; Tech. Ed.: T.V. Polozova.

PROMISE: This collection of articles is intended for chemists, metallurgists, and
engineers.

CONTENTS: The articles describe methods for detecting and determining various ad-
mixtures and杂质 in pure metals. Also discussed are many chemical,
physicochemical, electrochemical, spectrochemical and luminescent methods of
analyzing materials of high purity. The editors state that these methods have
been developed within the last five or six years by various Soviet scientific
institutes, and are now widely used in research and factory laboratories of the
Soviet Union. No personalities are mentioned. References, notes, etc.,
accompany each article.

Bogdanovskii, prof. M. Golenzhik. Analysis of Bismuth for Determining
Admixtures 172

Krasnopol'skii, A.G., Karabash, Ch. Ilyinskaya, F.M. Litvinova, and V.S.
Kol'tsov. The Spectrochemical Method of Determining Admixtures in Metallic
Bismuth and its Compounds 175

Rozhdestvenskii, B.I., and V.E. Gol'dinovskii. Determination of Small Quantities
of Gold in Metallic Bismuth 177

Slobodchikov, S.I., and I.A. Zaitsev. Determination of Admixtures of
Cadmium, Silver, and Gold in Metallic Bismuth With the Aid of Induction 191

Slobodchikov, S.I., and Chia. Krol'. Determination of Admixtures of Antimony, As
Iodine, Manganese, and Tellurium in Bismuth 205

Trofimov, D.I., and V.K. Polozova. Determination of Small Quantities of
Antimony, Arsenic, and Lead in Metallic Bismuth 217

Borovik-Litvinova, T.Z. Determination of Lithium in Bismuth
by Copper Electrolysis in Metallic Bismuth 221

Kalinin, D.P., and P.Y. Bulygin (deceased). Polarographic Determination
of Copper Electrolysis in Metallic Bismuth 223

Filimonov, I.N., N.A. Klyushko, and Z.A. Zhdanova. Spectroanalytic De-
termination of Admixtures in Tin-Germanium Compounds 227

Vaynshteyn, I.Te., Yu.L. Polozova, and K.V. Abramzon. Methods of Spectral
Determinations of Cadmium, Antimony, Bismuth, Lead, and Tin in Tin-Germanium and
in Bismuth 235

Emel'yanov, A.S., Z.N. Izmakova, N.I. Samoilova-Lavrent'eva, and D.V. Petrukhina.
Determination of Admixtures in Tin-Germanium and Tin-Copper Compounds 255

Proshkin, D.I., T.F. Gribanovskaya, and I.V. Pecherskaya. Method of Direct
Separation of Lead, Cadmium, Bismuth, Antimony, and Tin in Molibdenum
With the Aid of Dielectric Spectroscopy 265

Ermakova, Tadz. T. M. Chubrikova, and I.I. Kurnik. Determination of Oxygen
and Nitrogen in Molibdenum and in Germanium by the Vacuum-Pyrolysis Method 281

KHMELEVA, N.N.; TSVETKOVA, L.I.

Effect of mineral fertilizer on the development of phytoplankton
in experimental ponds at the Vimba-Bleak Hatchery in the summer
of 1953. Trudy Zool.inst. 26:250-256 '59.

(MIRA 13:5)
(Psekups Valley--Fish ponds) (Phytoplankton)

BORISOVA, A.G.; BOCHANTSEV, V.P.; VASIL'CHENKO, I.T.; GOLUBKOVA, V.F.;
GORSHKOVA, S.G.; GRUBOV, V.I.; KIRPICHNIKOV, M.E.; SMOL'YANINOVA,
L.A.; TAMAMSHYAN, S.G.; TSELEB, N.N.; TSVELEV, L.I.; YUZEP-
CHUK, S.V.; SHISHKIN, B.K., red.toma; BOBROV, Ye.G., doktor
biol.nauk, prof., red.: SMIRNOVA, A.V., tekhn.red.

[Compositae] Compositae. Moskva, Izd.-vo Akad.nauk SSSR, 1959.
630 p.(Akademija nauk SSSR. Botanicheskii institut. Flora
SSSR. no.25) (MIRA 13:4)

(Compositae)

USSR/Farm Animals. General Problems

Q-1

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35607

Author : Smirnova A.I., Solov'yeva V.F., Tsvetkova L.I., Romashova I.B.
Inst : Not Given
Title : The Content of Carotene in the Foodstuffs of the Yaroslav Oblast'

Orig Pub : Sb. stud. rabot, Yaroslavsk. s.-kh. in-ta, 1956, vyp. 1,
102-105

Abstract : The results of the analysis of the most widely spread food-stuffs in the Oblast' are given. The highest content of carotene was found in the green leaves of oats and in pine needles; the carotene content of dried nettle was 1½ times higher than that of clover.

Card : 1/1

TSVETKOVA, L.V. [TSviatkova, L.V.]

Stages in the development of fishes. Vestsi AN BSSR. Ser. bial.
nav. no.2:79-88 '61. (MIRA 14:7)
(FISHES--PHYSIOLOGY)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1

~~TSVETKOVA, L.S.~~

Vaccines from living microbes. Mauka i zhizn' 25 no. 6:42-43
Je '58. (MIRA 11:8)
(Moscow--Bacteriological laboratories)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1"

TSVETKOVA, M.; KAMENOV, L.

Some problems of work capacity and work capacity determination
in epileptic patients. Savr. med. 12 no.11:83-92 '61.

1. Iz Nauchno-issledovatelskia institut po nevrologia i
psikiatriia (Direktor G. Ganev).
(EPILEPSY) (DISABILITY EVALUATION)

BULGARIA

TSVETKOVA, M., MOLKHOV, Zh., architect, and LYUBENOVA, I., Scientific Research Institute for Neurology and Psychiatry (Nauchno-izsledovatelski institut po nevrologiya i psikiatriya,) Director (direktor) G. GANEV, [Sofia.]

"The Problem of Mental Hospital Construction in Bulgaria."

Sofia, Nevrologiya i Psikiatriya, Vol 2, No 2, Mar-Apr 63; pp 60-70.

Abstract English Summary Modified]: General review of factors to be kept in mind when evaluating adequacy of mental hospital facilities. Except for the Sofia University Psychiatric Clinic, all of the Bulgarian mental hospitals are now housed in buildings originally constructed for some other purpose: prisons (Lom, Kurdzhali,) monasteries (Tsarev Brod, Karkukovo, Kurilo,) workers' camps (Batak, Narechen, Kosharitsa and others,) military barracks (Byala, Varna,) small private hospital (Psychiatric Clinic of authors' institute,) or private home (Knyazhevo.) Table shows 1961 number of beds (20 to 525) and patient cost in levs (611 to 1407) for 12 Bulgarian mental hospitals. Diagrams and plans are shown and discussed of the proposee Kolarovgrad installation. Two Bulgarian, 2 Western, 5 Soviet references. Architectural plans (4); 1 table.

1/1

USSR/Geological Prospecting
Oil

Sep 1947

"The Structure of Oil-Bearing Rock and Its Permeability," I. P. Avdusin, M. A. Tsvetkova, Inst Mineral Substances, Acad Sci USSR, 3 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LVII, No 9

Discusses structure of oil-bearing rock and gives reasons for formation of hollows within rock. Mass of liquid hydrocarbons contained within rock is factor in determining oil-bearing content of rocks. Submitted by Academician S. I. Mironov, 8 Mar 1947.

FA 53T29

TSVETKOVA, M. A.

USSR/Geology

Porosity of Rocks

Petroleum

May 49

PA 51/49T36

"Technique of Determining the Effective Porosity of Rocks Which Collect Petroleum," M. A. Tsvetkova, Petroleum Inst, Acad Sci USSR, 6 pp

*IZ Ak Nauk SSSR, Otdel Tekhn Nauk" No 5

PA Describes method to determine porosity of rocks using bakelite tar (72.5% phenol, 26.8% formaldehyde, 0.7% ammonium) as a filling agent. Chart gives porosities determined by this method for quartz sandstones, large, small, and medium grained

51/49T36

USSR/Geology

(Contd)

May 49

sandstones from productive areas, etc. Submitted by Acad S. S. Namestnik, 18 Feb 48.

51/49T36

TSVETKOVA, M. A.

36619. Izmeneniye Strukturny Porovogo Prostranstva Porod-kollektorob Nefti Pod Vliyaniyem Obrabotki Ikh Solyanoy Kislotoy. Doklady Akad. Nauk SSSR, Novaya Seriya, T. LXIX, No. 4, 1949, c. 581-84

SO: Letopis' Zhurnal'ynkh Statey, Vol. 50, Moskva, 1949

TSVETKOVA, M. A.

37234. ABDUSIEV, P. P. i TSVETKOVA, M. A. Rez' struktury kollektorov v reshetki zadach ratsional'noy razrabotki neftyanykh zalezhey. Doklad' akad. Nauk SSSR, novaya seriya, T. LXIX, No. 5, 1949, s. 663-66. Bibliogr: 6 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

TSVETKOVA, M. A.

158T46

USSR/Geophysics - Filters, Sand
Petroleum

Jan 50

"Influence of Packing of Loose Sand Collectors Upon
Their Filtering Ability," M. A. Tsvetkova, Petroleum
Inst, Acad Sci USSR, 3 pp

"Dok Ak Nauk SSSR" Vol LXI, No 3

Used artificial packing of loose sandy rocks and
siltstones to study permeability of rocks with dis-
turbed structure. Specimens tested: loose oil-bear-
ing productive sand layers from Azerbaijan SSR, De-
vonian sands of Saratov oil deposits, and modeled
quartz sands. Tested filtering ability for packings

158T46

USSR/Geophysics - Filters, Sand
(Contd)

Jan 50

at 50, 100, 200, 300, 400, 500, 600 kg/sq cm (hydrau-
lic press). Found 200-250 was critical; at this
pressure rock structure changes sharply. Submitted
30 Nov 49 by Acad S. I. Mironov.

158T46

TSVETKOVA, M.A.

AVDUSIN, P.P.; TSVETKOVA, M.A.

Tectonic influence on the structure of oil sands. Trudy Inst.
nefti 3:97-106 '54.
- (Petroleum geology) (Oil sands)

(MLRA 8:6)

TSVETKOVA, M.A.

Effect of the mineralogical composition of sands on the filtering capacity and oil production. Trudy Inst. nefti 3:207-211 '54.
(Oil sands) (MIRA 8:6)

AVDUSIN, P.P.; TSVETKOVA, M.A.; KONDRAT'YEVA, M.G.; FEDOROV, S.F.,
POLYAKOVA, T.V., tekhnicheskiy redaktor.

[Lithology and facies of Paleozoic deposits in the Saratov and
Kuibyshev areas of the Volga Valley] Litologiya i faktsii
paleozoiskikh otlozhenii Saratovskogo i Kuibyshevskogo Povolzh'ia.
Moskva, Izd-vo Akademii nauk SSSR, 1955. 137 p., 22 plates.
[Microfilm]

(MLRA 8:9)

1. Akademiya nauk SSSR, Institut nefti. 2. Chlen-korrespondent Akademii
nauk SSSR (for Fedorov).
(Volga Valley--Petrology)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1"

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GORBOVITSKAYA, R.M., uchitel'nitsa khimii; LIMONNIKOVA, A.I., uchitel'nitsa khimii; ZHIRYAKHINA, G.V., uchitel'nitsa khimii; ORLOVA, K.P., uchitel'nitsa khimii; CHERKEYEVA, P.I., uchitel'nitsa khimii; TSVETKOVA, L.T., uchitel'nitsa khimii; PLATOVA, V.M., uchitel'-nitsa khimii; KOTLOV, V.N., uchitel' khimii

Our comments. Khim.v shkole 15 no.1:54-56 Ja-F '60.
(MIRA 13:5)

1. Srednyaya shkola No.626 Kirovskogo rayona Moskvy (for Gorbovitetskaya).
 2. Srednyaya shkola No.518 Kirovskogo rayona Moskvy (for Limonnikova).
 3. Srednyaya shkola No.526 Kirovskogo rayona Moskvy (for Zhiryakhina).
 4. Srednyaya shkola No.525 Kirovskogo rayona Moskvy (for Orlova).
 5. Srednyaya shkola No.514 Kirovskogo rayona Moskvy (for Cherkeyeva).
 6. Srednyaya shkola No.528 Kirovskogo rayona Moskvy (for Tsvetkova).
 7. Srednyaya shkola No.527 Kirovskogo rayona Moskvy (for Platova).
 8. Srednyaya shkola No.627 Kirovskogo rayona Moskvy (for Kotlov).
- (Moscow--Chemistry--Study and teaching)

TSVETKOVA, M.V., nauchnyy sotrudnik

Agglutination of virus-coated bacteria as a laboratory diagnostic method in trachoma. Oft.zhur. 13 no.7:391-392 '58.

1. Iz Kazanskogo nauchno-issledovatel'skogo trachomatognogo instituta imeni Ye.V. Adamyuka (nauchnyy rukovoditel' - prof. A.N. Kruglov).

(MIRA 12:1)

(CONJUNCTIVITIS, GRANULAR)
(BLOOD AGGLUTINATION)

PETROV, G.S. [deceased], TSVETKOVA, M.Ye.

On the question of combining carbamide and phenolic resins. Trudy
MKHTI no.29:23-33 '59. (MIRA 13:11)
(Resins, Synthetic)

TSVETKOVA, M. Ye., Cand Tech Sci -- (diss) "Synthesis and investigation of combined phenol-carbamide-formaldehyde resins." Moscow, 1960. 11 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Lenin Chemical Technology Inst im D. I. Mendeleev); 150 copies; price not given; (KL, 25-60, 135)

85816

158106 2109, 2209

S/081/60/006/019/006/012
A006/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 19, p. 516, # 79333

AUTHORS: Petrov, G. S., Tsvetkova, M. Ye.

TITLE: On the Problem of Combining Carbamide and Phenol Resins

PERIODICAL: Tr. Mosk. khim.-tekhnol. in-ta, im. D. I. Mendeleyeva, 1959, No. 29,
pp. 23-33

TEXT: The authors studied conditions of obtaining combined phenol-carbamide resins at a molecular ratio of phenol, urea and CH_2O of 1 : 1.5 : 4.6 respectively at 85 - 90°C in alkaline, neutral and acid media. The 2-phase method is considered as an optimum process in which the initial components are condensed first at a pH value > 9, and then at pH 4.5 - 7.0 with a further increase up to 8 - 9 on account of introducing NaOH. The condensation products are bright, transparent resins soluble to some extent in alcohol and other solvents. The authors studied kinetics of resin formation. Data are given of a fractional and elemental composition and on the hypothetical structures of individual fractions. Studies were made of the kinetics of hardening, and structural-mechanical curves were plotted.

Card 1/2

85816

S/081/60/000/019/006/012
A006/A001

On the Problem of Combining Carbamide and Phenol Resins

The authors show the dependence of deformation on temperature and time for resins hardened in acid and alkaline media. The physico-mechanical and electrical insulating properties, the stability in water and the chemical stability of these resins are higher than those of combined phenol-carbamide resins.¹⁵ Mechanical properties of pressed products manufactured on the base of paper castings impregnated with resins are determined.

Ye. Zamkrovskaya

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

TSVETKOVA, N.

"A year of life" by A. Chakovskii; "Selected works" by
N. Emel'ianova. Reviewed by N. Tsvetkova. Rabotnitsa 36 no.1:32
Ja '58. (MIRA 11:2)
(Chakovskii, Aleksandr)
(Emel'ianova, Nina Aleksandrovna, 1896-)

TSVETKOVA, N.

Pages from the heroic part. Matotnitsa # no.8:27 Ag '57. (MFA 11:9)
(Russia--Revolution, 1917-1921)
(Kuibyshev, Valerian Vladimirovich 1888-1935)
(TSvetkov-Prostvechenskii, Aleksandr Kuz'mich)

TSVETKOVA, N.A., starshiy nauchnyy sotrudnik, kand.tekhn.nauk

Seepage in the base of the discharge section of canals and
reservoirs. Trudy SANIIRI no.105:3-17 '60. (MIRA 15:5)
(Seepage)

TSVETKOVA, N.A., nauchnyy sotrudnik; LIBEROVA, R.A., kand.tekhn.nauk;
PLOTNIKOV, I.V., kand.tekhn.nauk;

Manufacture of artificial patent leather. Nauch.-issl.trudy
VNIIPIK no. 12:3-11 '60. (MIRA 16:2)
(Leather, Artificial) (Urethanes)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1

PILYUGIN, G.T.; OPANASENKO, Ye.P.; TSVETKOVA, N.A.

Research in the field of cyanine dyes. Part 5: Synthesis of alkoxy derivatives of bensoquinazinium quaternary salts and their conversion. Zhur. ob. khim. 27 no.4:1018-1021 Ap '57. (MIRA 10:8)

1. Chernovitskiy gosudarstvennyy universitet.
(Quinaldinium compounds) (Dyes and dyeing)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1"

SOV/112-59-3-4669

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 54 (USSR.)

AUTHOR: Tsvetkova, N. A.

TITLE: Seepage Calculations in the Case of Standard Chutes
(Fil'tratsionnyy raschet tipovykh perepadov-bystrotokov)

PERIODICAL: Tr. Sredneaz. n.-i. in-ta irrigatsii, 1957, Nr 87, pp 65-68

ABSTRACT: Standard irrigation-type $1.1\text{-}10\text{-m}^3/\text{sec}$ drop-chutes and $1.0\text{-}3.0\text{-m}^3/\text{sec}$ drops were tested in the SANIIRI seepage laboratory on 2-dimensional and 3-dimensional EGDA outfits in 1955. The tests showed an essential difference between the seepage-head values determined by solving the problem in plane and in space. Plots of relative head h_x/H against relative distances l_x/L for three cases of planar and spatial simulation are presented. Experimental data show that the curve $h_x/H = f(l_x/L)$ obtained from the planar simulation differs slightly from the theoretical pressure curves given by Professor N. N. Pavlovskiy for a plane surface apron without sheet piling. Pressure epures

Card 1/2

Seepage Calculations in the Case of Standard Chutes
obtained as a result of spatial simulation deviate from the former curve, the
deviation increasing with the decrease in the relative width β .

SOV/112-59-3-4669

Yu.M.S.

Card 2/2

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 90 (USSR) SOV/124-58-10-11326

AUTHOR: Tsvetkova, N.A.

TITLE: Seepage Analysis of Standard Overfall Trough-type Spillways (Fil'-tratsionnyy raschet tipovykh perepadov-bystrotokov)

PERIODICAL: Tr. Sredneaz. n.-i. in-ta irrigatsii, 1957, Nr 87, pp 65-68

ABSTRACT: A presentation of data of an analysis by the electrohydrodynamic analog method of the pressure distribution existing in a trough-type spillway; the latter consists of a flat spillway dam with small projections. The system is regarded as a three-dimensional problem and the pressures are studied at various ratios of the width, (B), to the length, (L), of the spillway. At $L/B < 5$ the discrepancies between the pressures, as computed for two- and three-dimensional conditions, amount to 7-9% of the total pressure head. Discrepancies in the areas under the pressure curves are negligible.

V.M. Shestakov

Card 1/1

TSVETKOVA, N.A., kandidat tekhnicheskikh nauk.

Sedimentation in the Amu-Darya. Vop. gidr. no.1:151-157 '55.
(Amu-Dar'ya--Sedimentation and deposition) (MLRA 9:12)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1

TSVETKOVA, N.A.

Deposition conditions on the Amu Darya. Vop. gidr. no.13:
5-86 '63
(MIRA 17:8)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1"

TSVETKOVA, N.A., kand.tekhn.nauk

Seepage in the foundation of chute spillways. Trudy SANIIKI 93:142-
151 '58. (MIRA 14:5)

(Seepage) (Spillways)

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DEPARTMENT OF DEFENSE
COMMITTEE ON SECURITY

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APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001757220015-1"

PILYUGIN, G.T.; TSVETKOVA, N.A.

Study of cyanine dyes. Part 42: Synthesis of 1-p-methoxyphenyl-
6-methoxyquinaldinium perchlorate and some of its transformations.
Zhur. ob. khim. 34 no.10:3341-3344 O '64.

(MIRA 17:11)

1. Chernovitskiy gosudarstvennyy universitet.

TSVETKOVA, N.A.

Changes in the nervous system in erythroblastosis fetalis. Och.
klin. nevr. no. 2:121-124 '64
(MIRA 18:1)

TRV:TKWA, N.A.

Technical instructions for filtration calculation of structures in
an irrigation network (a draft). Vop. gizr. no.11:5-33 '63.
(MIRA 17:6)

BOGDANOVA, A.D.; TSVETKOVA, N.B.

Psychoses in rheumatic heart diseases. Sov.med. 23 no.1:70-74
Ja '59. (MIRA 12:2)

1. Iz terapevticheskoy kliniki (zav. - prof. A.I. Gefter) i psi-
khiatricheskoy kliniki (zav. - prof. N.V. Ivanov) Gor'kovskogo
gosudarstvennogo meditsinskogo instituta imeni S.M. Kirova (dir. -
dots. N.N. Mizinov).

(RHEUMATIC HEART DISEASES, compl.

cerebral thrombosis causing psychoses (Rus))
(PSYCHOSES, etiol & pathogen.

cerebral thrombosis in rheum. heart dis. (Rus))
(CEREBRAL EMBOLISM AND THROMBOSIS, compl.

thrombosis in rheum. heart dis. causing psychoses
(Rus))

TSVETKOVA, N. B.

Conditioned Response

Production of conditioned reflexes in scopolamine therapy in Parkinson's disease.
Zhur. vys. nerv. dieat., 2, no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1958. Unclassified.

2

TSVETKOVA, N.B.

Formation of conditioned reactions in the treatment of Parkinson's disease with scopolamine. Zh. vyshei nerv. deiat. 2 no. 3:344-351
May-June 1952. (CLML 23:3)

1. Psychiatric Clinic of Gor'kiy Medical Institute imeni S. M. Kirov.

TSVETKOVA, N. R.

Scopolamine

Production of conditioned reflexes in scopolamine therapy in Parkinson's disease,
Zhur. vys. nerv. deiat., 2, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1951. Unclassified.
2

TSVETKOVA, N. F.

Paralysis Agitans

Production of conditioned reflexes in scopolamine therapy in Parkinson's disease.
Zuhr. vys. nerv. deiat., 2. No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1953. Unclassified.
2

SEMISHIN, Vasiliy Ivanovich; TSVETKOVA, N.F., red.; ZAZUL'SKAYA, V.F.,
tekhn.red.

[Laboratory manual for general chemistry] Praktikum po obshchei
khimii. Izd.4., stereotipnoe. Moskva, Gos.nauchno-tekhn.izd-vo
khim.lit-ry, 1960. 351 p. (MIRA 13:12)
(Chemistry, Inorganic--Laboratory manuals)

TSVETKOVA, N. F.

"Isomerization of Polymethylene Hydrocarbons under the Influence of Aluminum Chloride. XVII. Isomerization of Methylcyclohexane, 1,1-Dimethylcyclohexane, 1,2-Dimethylcyclohexane and Ethylcyclohexane." by N. D. Zelinsky, M. B. Turova-Polyak, N. F. Tsvetkova, and E. G. Treshchova. (p. 2156)

SC: Journal of General Chemistry (Zhurnal Obshchei Khimii), 1951, Volume 21,
no. 12

KIREYEV, Valentin Ale'sandrovich; TSVETKOVA, N.F., red.; ZAZUL'SKAYA,
V.F., tekhn. red.

[Concise course in physical chemistry] Kratkii kurs fizicheskoi
khimii. Izd.2., ispr. i dop. Moskva, Goskhimizdat, 1962. 647 p.
(MIRA 15:11)
(Chemistry, Physical and theoretical)

SEMISHIN, Vasiliy Ivanovich; TSVETKOVA, N.F., red.

[Laboratory work in general chemistry] Praktikum po obshchey khimii. Izd.5., ispr. i dop. Moskva, Izd-vo "Khimia," 1964. 383 p. (MIRA 17:6)

KONKIN, A.A.; BIRGER, G.Ye.; GRUZDEV, V.A.; PAKSHVER, A.B.; TSVETKOVA,
N.F., red.; SHPAK, Ye.G., tekhn.red.

[Synthetic fibers] Khimicheskie volokna. Moskva, Gos.nauchno-
tekhn.izd-vo khim.lit-ry, 1959. 50 p. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.

(Textile fibers, Synthetic)

KIREYEV, Valentin Aleksandrovich; MISHCHENKO, K.P., prof., retsenzent;
TSVETKOV, N.F., red.; ZAZUL'SKAYA, V.F., tekhn.red.; POGUDKIN,
P.V., tekhn.red.

[Short course in physical chemistry] Kratkii kurs fizicheskoi
khimii. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1950.
599 p. (MIRA 12:4)

(Chemistry, Physical and theoretical)

VOYUTSKIY, Sergey Sergeyevich; TSVETKOVA, N.F., red.; SPERANSKAYA, A.A.,
tekhn.red.

[Solutions of high molecular weight compounds] Rastvory vysoko-
molekuliarnykh soedinenii. Izd.2. Moskva, Gos.nauchno-tekhn.
izd-vo khim.lit-ry, 1960. 131 p. (MIRA 13:7)
(Macromolecular compounds)

NEKRASOV, Boris Vladimirovich; TSVETKOVA, N.F., red.; LUR'YE, M.S., tekhn.red.

[General chemistry textbook]. Uchebnik obshchei khimii. Moskva,
Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1957. 486 p. (MIRA 10:12)

1. Chlen-korrespondent Akademii nauk SSSR.(for Nekrasov).
(Chemistry)

TSVETKOVA, N. F.

"Some New Data on the Isomerization of Cyclohexane by Aluminum Chloride."
by N. D. Zelinsky, M. B. Turova-Polyak, N. F. Tsvetkova, and E. G. Treshchova.
(p. 2160)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii), 1951, Volume 21,
no. 12

TSVETKOVA, N.F., red.; POGUDKIN, P.V., tekhn. red.

[Isotopes] Izootpy. Moskva, 1959. 81 p. (MIRA 15:11)

1. Soyuzkhimeksport, Vsesoyuznoye ob"yedineniye.
(Isotopes)

NEKRASOV, Boris Vladimirovich; TSVETKOVA, N.F., red.; PANTELEYeva,
L.A., tekhn. red.

[General chemistry textbook] Uchebnik obshchey khimii. Izd.2.
Moskva, Goskhimizdat, 1963. 495 p. (MIRA 16:12)

1. Chlen-korrespondent AN SSSR (for Nekrasov).
(Chemistry)

GLAGOL'EV, N.M., prof., doktor tekhn.nauk; IBRAGIMOV, A.B., kand.tekhn.nauk;
TSVETKOVA, N.I., kand.tekhn.nauk

Trends in the development of diesel-locomotive engines. Vest.
mash. 39 no.3:3-8 Mr '59. (MIRA 12:4)
(Diesel locomotives)

TSVETKOVA, N.I., kand.tekhn.nauk

Special features of the operation and prospects of developing a
four-cycle diesel locomotive engine utilizing the excess power
of the gas turbine. Teplovoz.i sud.dvig. no.3:57-65 '62.

(MIRA 16:2)

(Diesel locomotives) (Diesel engines)

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CIA-RDP86-00513R001757220015-1"

TSVETKOVA, N.I., kand. tekhn. nauk, dotsent

Use of energy of spent gases of a gas turbine in power systems
with internal combustion engines. Energomashinostroenie, 10 no.6:
27-31 Je '64.
(MIRA 17:9)

TSVETKOVA, N.I., kand. tekhn. nauk

Experimental investigation of heat emission in internal combustion
motors. Izv. vys. ucheb. zav.; energ. 2 no.10:84-90 O '59.
(MIRA 13:3)

1. Khar'kovskiy politekhnicheskiy institut imeni V.I. Lenina.
Predstavlena kafedroy dvigateley vnutrennego sgoraniya.
(Heat--Transmission)
(Gas and oil engines)

TSVETKOVA, N.I.

Power unit of a diesel locomotive with increased efficiency.
Nauch.dokl.vys.shkoly; energ. no.2:241-244 '59.
(MIRA 13:1)

1. Rekomendovana Khar'kovskim politekhnicheskim institutom im.
V.I.Lenina.
(Diesel locomotives)

L 36523-66 EWT(m)/T WE/GD

ACC NR: AT6013434 (N, A) SOURCE CODE: UR/0000/65/000/000/0018/0023

AUTHORS: Tavetkova, N. I.; Stanislavskiy, L. V.

ORG: Kharkov Polytechnic Institute (Khar'kovskiy politekhnicheskiy institut)

TITLE: Choosing optimum gas distribution phasing during engine operation along a generator characteristic

SOURCE: Dvigateli vnutrennego sgoraniya (Internal combustion engines), no. 1.
Kharkov, Izd-vo Khar'k. univ., 1965, 18-23

TOPIC TAGS: engine performance characteristic, internal combustion engine / D70-A
internal combustion engine ()

ABSTRACT: The choice of optimum angle of advance of the exhaust and angle of delay of intake valve opening is considered for an engine operating at off-design conditions on a generator characteristic. A method for predicting the optimum angles at off-design conditions is developed which is based on a combination of analytical calculations of the gas exchange process (N. M. Glagolev. Rabochiye protsessy dvigateley vnutrennego sgoraniya, Mashgiz, 1950) and on engine data taken at design conditions. The calculated indicator diagram is superposed on the experimental, and the angles are changed until maximum efficiency is obtained. A sample calculation for engine D70-A is shown, and experimental data are presented for the engine. Based on these results, the optimum angles of 40° before and 30° after BDC are recommended. Orig. art. has: 3 figures, 2 tables, and 2 formulas.

SUB CODE: 21/ SUBM DATE: 20Apr65/ ORIG REF: 002

Card 1/1224P

SOV/122-59-3-1/42

AUTHORS: Glagolev N.M., Doctor of Technical Sciences, Professor;
Ibragimov A.B., and Tsvetkova N.I., Candidates of
Technical Sciences.

TITLE: Development Trends in Diesel Locomotive Engines
(Napravleniya Razvitiya Teplovoznykh Dvigateley)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 3, pp 3-8 (USSR)

ABSTRACT: Table 2 shows the power per ton of train weight and the fuel consumption per 10,000 ton kilometers and illustrates the sharp rise in cost with speed. The track throughput capacity is more economically raised in freight trains by larger train weights. Assuming 65 kph, the prospect of diesel traction envisages 6000-8000 ton trains requiring 6000-8000 hp, or 3000-4000 hp per section. Wheel adhesion problems lead to specific weight requirements of 4-5 kg/effective hp for freight traction and 2-3 kg/ehp for passenger traction. A high efficiency is the overriding requirement favouring four-stroke engines. The maintenance cost comes next to fuel cost, favouring as low an engine speed as is consistent with the specific weight requirement namely 1000 rpm

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Development Trends in Diesel Locomotive Engines

for freight engines and 1500 rpm for passenger engines. The four-stroke engine is also favoured by the possible avoidance of liquid piston cooling and the increased temperature of cooling water and lubricating oil. Based on these premises, four variants of locomotive diesel engines have been projected at the internal combustion engine department of the Khar'kov Polytechnic Institute (Khar'kovskiy Politekhnicheskiy Institut) Imeni V.I. Lenin . The project chosen for further development is a diesel turbine plant, designated 16GhN24/27, comprising a four-stroke diesel engine with an exhaust gas turbine and supercharger and an inlet pressure so chosen that the gas turbine power exceeds the supercharger requirements and the surplus power is coupled to the engine output. Table 3 lists the main engine data alongside those of the existing 2D100, 9D100 and 45D engines. The 3000 hp, 1000 rpm, 16 cylinder, 240mm bore, 270 mm stroke, 13.8 kg/cm² mean effective pressure, 145-150 g/effective kph engine has a gas turbine of 1110 hp output at a turbine inlet temperature of 565°C. The supercharger consumes

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Development Trends in Diesel Locomotive Engines

550 hp delivering a pressure of 2.5 ata. The turbine inlet pressure is 3.7 ata. The overall weight of the plant is 15 tons and the engine measures 5.1 x 1.6 x 2.1 m. A theoretical study has shown the substantial gain in efficiency and specific power due to a turbine inlet pressure in excess of the supercharge pressure. The engine can be converted to natural gas. The engine inlet temperature of 80°C permits constant power under tropical conditions. The cooling water temperature of 110°C slightly reduces the heat rejection and greatly reduces the size and weight of the radiators. An experimental two-cylinder unit tested at the Department's laboratory has confirmed the design analysis. Fig 3 shows an indicator diagram illustrating a pressure rise not exceeding 1.7 kg/cm² per degree C and a pressure rise during combustion not exceeding a ratio of 1.3. The cooling losses amount to 13% to the cooling water and 8% to the oil at rated power. Development is proceeding to reduce consumption and increase power.

Card 3/4 So far, the equivalent of 3500 hp at a consumption of 145-146 g/e.hp.hr have been reached. Table 4 lists 9

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Development Trends in Diesel Locomotive Engines

variants of the basic engine with powers ranging from 1500 to 4000 hp in different cylinder arrangements (16V, 12V, 8V and 8-in line). High-power is achieved by cooling the inlet air and increasing the inlet pressure at the expense of an air cooler and a lower excess air coefficient. A variant with a compression ratio of 15, reducing the fuel consumption to 0.140 from the basic 0.150 kg/e.hp.hr is included. Another variant with a higher fuel consumption has ordinary exhaust turbine supercharging without excess turbine power, offering lower component temperatures and elimination of liquid cooling of the piston.

Card 4/4 There are 3 figures, 4 tables and 6 references (5 Soviet, 1 English)

TAUBE, P.R.; TSVETKOVA, N.K.; BUDNIKOVA, I.K.

Hydrocarbonate method for removing harmful compounds from
mustard cake. Izv.vys.ucheb.zav.; pishch.tekh. no.6:56-57
'58. (MIRA 12:5)

1. Astrakhanskiy tekhnicheskiy institut rybonoy promyshlennosti,
Kafedra obshchey khimii.
(Mustard)

TAUBE, P R., kand. khim. nauk; TSVETKOVA, N.K., kand. khim. nauk; SHAVSKIY,
G.S.

Complete processing of oil cake for fuel. Masl.-zhir. prom. 24
no. 6:7 '58. (MIRA 11:7)

1. Marybtuz.

(Oil cake)
(Fuel)

TAUBE, P.R.; TSVETKOVA, N.K.; SHAVSKIY, G.S.

Effect of aqueous mustard extracts on the properties of
cleansing solutions. Izv. vys. ucheb. zav.; pishch. tekhn.
no.3:69-72 '58. (MIRA 11:9)

1. Astrakhanskiy tekhnicheskiy institut rybnoy promyshlennosti
i khozyaystva, Kafedra obshchey khimii.
(Cleaning compounds) (Mustard)